PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

Jodhpur State, Rajputana,

FOR THE YEAR 1893-94.

BY

PANDIT GOKAL DAS,

Superintendent of Forest Department.

With a Review by Maharaj Dhiraj Col. Sir Pratap Singh, K.C.S.I., Musahib Ala, State Marwar.

JODHPUR:
Printed at the "Marwar State" Press.

1894.

BENGAL SECRETARIAT LIBRARY

Review of the Conservancy Report for 1893-94 by Maharaj Dhiraj Colonel Sir Pratap Singh, K.C.S.I., Musahib Ala, Raj Marwar.

1. *Enunciation of Forest policy.*—It was complained that a tendency appeared to make popular and customary rights subservient to the improvement of forest conservancy. The Durbar takes this opportunity of recording its views that the only satisfactory forest settlement scheme is one which after fully considering all the interests concerned, adequately provides for the wants of agriculture as well as for beneficial forest conservancy. In carrying out this policy I am glad to remark that the present forest Superintendent has given me cordial and able assistance.

2. *Two classes of population concerned and their rights how settled.*—Two classes of population were affected by the demarcation of the forest area; *viz.*, (1) those living *within* (2) those living *without* the forest.

To first class belongs the semi-aboriginal tribe of the Grasias. The use they make of the forest is three folds. (1) They collect natural products of the forest such as honey, wax and medicinal herbs and earn money by their sale. The Forest Department has been advised to see if they can usefully employ Grasias in subordinate position as collectors and sellers of forest articles which they best know how to find. (2) They also raise grain crops by a peculiarly destructive process of nomadic cultivation with ash as manure. They clean a piece of forest land by setting fire to it. The Durbar wishes to be considerate to these forest denizens. Having been deemed advisable to put a stop to the wasteful process of raising crops it has been ruled to allow the Grasias to cultivate fields which they already held but not to let them clear new fields. (3) They use it as a pasture ground for herds of goats and cattle. Indiscriminate grazing has been disallowed, and to goat, sheep and camel the forest has been closed.

To second class belong the villagers who are advanced cultivators. Their rights have been (1) to get timber for their houses and agricultural purposes (2) to graze their cattle. These rights were thoroughly gone into and the villages were reclassified and approved by the Durbar. It has given satisfaction to all those concerned.

3. *Standard of grazing area.*—As to grazing area there was no fixed standard to work with. It is pleasing to record that with the concurrence of the villagers a fairly correct standard has been obtained. It is to allow one acre per head of cattle as a pasture ground.

4. *Re-adjustment of forest boundaries.*—It must be here remarked that the forests are only closed for 4 months and the villages have to fall back

on the standard area only when the forests are closed. On this principle the forest boundary was re-adjusted which resulted in giving up 9 square miles of reserved area. This decrease in the reserved area is justifiable as it was made in satisfaction of the just and long established rights of the villagers concerned. The boundary pillars were accordingly shifted.

5. *New rules.*—A new set of rules for giving forest produce to right holders and to the criminal tribes was published.

6. *Forest act.*—The forest act with slight modifications was brought into force on 1st January 1894.

7. *Increase in forest area.*—It is gratifying to note that at the close of the year the Thakur of Raipur yielded and his forests covering an area of about 20 square miles have been brought under regular forest conservancy (*vide* appendix A). Thus the net increase in the conserved forest area has been 11 square miles.

8. *Increase of forest area under consideration.*—The proposal for the conservation of forests in the Jaitaran and Parbatsar districts is under the consideration of the Durbar.

9. *Boundaries.*—The pillars were kept in good order but many alterations have been made in deference to the interest of the right holders and with the approval of the Durbar as noticed in para. 4.

10. *Survey.*—The Settlement Department Amins have surveyed and mapped the fields belonging to Jagirdars in various forests.

11. *Breach of Forest rules.*—There has been a marked decrease in both the number of grave offences tried by the Hakims and that of the cases compounded by the Superintendent, which as the Superintendent rightly remarks is due to sufficient areas having been left out for the right holders as also to the timely and copious downpours of rain.

12. *Forest fires.*—There were 8 fire occurrences covering an area of 1,124 acres, one that occurred in Sojat Range in Shiryari forest was however serious, the offenders paid the compensation.

13. *Grazing.*—The number of cattle that grazed during the year was more than double of the preceding year. The grass was abundant and the forests were open for grazing for about 8½ months.

14. *Natural and artificial reproduction.*—They are reported to be generally satisfactory. Sowings were made in several forests to fill up gaps with various results. A new nursery was made at Nagur (Bijapur forests) with a view to raise shady plants. The bamboo culms are being tried on a larger scale than before and the results are encouraging. A piece of 10 acres of Dhaw in Desuri forest was coppiced for the improvement of the forest.

15. *Arboriculture.*—There were 6 plantations when the last year closed covering an area of 81 acres to which two more of 26 acres were added. Two nurseries at the forest well and Sardar Risala lines were kept up and 3 more were started during the year. The reboisement works at Bada Bhakar are doing well, stone *golras* were made for the protection of 150 new plants.

16. *Produce.*—There has been a considerable increase in the produce of timber and fire-wood.

17. *Finance.*—The financial results of the year are very satisfactory. There has been a surplus of about Rs. 4,030.

18. *Staff.*—Pandit Gokul Das, the Superintendent continued to discharge his duties in an efficient manner. This Department has greatly improved through the energetic exertions of this able and hard working officer.

SECRETARIAT LIBRARY

TABLE OF CONTENTS.

Subject.	Page.
Introduction	1 to 2
CHAPTER I.—Areas and Boundaries—	
Areas	2
Jaitaran and Parbatsar Forests	2
Raipur Forests	2 to 3
Boundaries	3
CHAPTER II.—Surveys and working plans and annual plan of operations—	
Survey and maps	3
Working plans	3
Annual plan of operations	3
CHAPTER III.—Protection and improvement—	
Establishment	3 to 4
General protection and breaches of the law	4 to 5
Forest fires	6
Grass and grazing	6 to 7
Natural reproduction	7
Reproduction by coppice	7
Artificial reproduction	7 to 8
Arboriculture work at Jodhpur—	
Jodhpur plantations	8 to 10
Reboisement works at Bada Bhakar	10 to 11
Financial	11
Roads and buildings...	11
CHAPTER IV.—Yield and Working—	
Minor produce	12
Departmental operations	12 to 13
Removal of produce by purchasers	13 to 14
Free grants	14
Right Holders	15

Subject.		Page.
CHAPTER V.—Financial Results—		15 to 16
Statements illustrating the annual accounts—		
Form No. 49	Area of Reserved Forests	17
„ 50	Register of breaches of Forest Rules	18
„ 51	Area of Forest tract protected from fire during the dry season	19
„ 52	Area of Plantations	20
„ 54	Outturn of timber and firewood	21
„ 55	„ „ Minor Forest produce	22
„ 56	Account of timber and other produce cut or collected by Raj Agency and brought to sale Depots or sold locally during the year	23 to 28
„ 58	Summary of Revenue and Expenditure of the Ranges...	29 to 31
„ 59	Account current	32
„ 60	Revenue received and outstanding on account of revenue	33
„ 61	Outstanding and liabilities on account of Contractors and Disbursers	34
„ 62	Financial Results	35

PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

MARWAR STATE

FOR

1893-94.

Introduction.

1. Some very important changes have taken place in the Forest administration, during the year under report.

2. As suggested by Colonel H. B. Abbott, Resident, Western Rajputana States a list of right holders was prepared by the Superintendent and circulated among the right holders in order to give them the opportunity of proving their rights.

3. When all the objections were received in writing the Superintendent held local enquiries, with the assistance of Gopal Das Kanungo and after hearing the villagers and giving his own views forwarded the papers to Mahkma Khas for final orders. Since then orders have been passed by Mahkma Khas on cases relating to disputed rights and the revised list of right holders is now in course of preparation.

4. The Superintendent inspected the boundary line from pillar to pillar and in accordance with the Musahib Ala's orders conveyed in his No. 212, dated 1st April 1893, decided, the boundary line disputes on the principle of leaving a Guzara for cattle for the rainy season only, at one acre per head of cattle.

5. A new set of rules for giving forest produce to the right holders and criminal tribes has been published, in a tabular form, for the guidance of the Forest officials and the right holders.

6. The Forest act, mentioned in previous year's reports, was, after all, brought into force from 1st January 1894, with slight modifications suggested by the Superintendent.

7. Compensation for forests has been awarded to Behra, Bijapur, Sewari, Ghanerao, Shiryari, Saran, Depawas, Gudha Shama, Gudha Bada,

Gudha Ramsingh, Gudha Bijaji and Raira Jagirdars. Negotiations for the settlement of compensation to be awarded to Nana, Kot, Jujawar, Kantalia and Bagri are going on.

8. It is hoped that the remaining cases of compensation will be settled ere long. The difficulty is that the Jagirdars themselves, some times, put obstacles in the way of speedy settlement of the compensation.

9. The Nana Jagirdar wants just double the amount offered by Mahkma Khas calculated on the revenue for the last two or three years. Kot Jagirdar has agreed to the amount offered but has not, yet named Khalsa villages he wants to have in exchange for his. Accounts of Jujawar, Kantalia and Bagri are being verified.

CHAPTER I.

Areas and Boundaries.

(i) Areas.

10. Area has decreased by 9 square miles owing to the shifting of the boundary pillars for leaving sufficient areas for the right holders' cattle during the rainy season, when state forests are closed to grazing. At the commencement of the year 1,80,480 acres were under protection and leaving 5,760 acres excluded during the year, there remained 1,74,720 acres of forest under the control of the Department, at the end of the year.

(i) Jaitaran and Parbatsar forests.

11. 13 forests covering an area of about 25 square miles and situated in Jaitaran and Parbatsar Parganas were inspected by the Superintendent during the year under report. Proposals for their conservation are now under the consideration of the Musahib Ala.

12. At present all of these Forets are denuded of trees and it is simply a misnomer to call them forests, consequently, though not worth the compensation from a financial point of view, but undisputed evidence exists to show that these hillocks were once covered with trees. Therefore it is all the more necessary to bring these forests under conservation in the interests of the public and the unborn generation.

(ii) Raipur forests.

13. Just at the close of the year the vexed question of conserving Raipur forests, covering an area of about 20 square miles, was settled. The area has not been added to the Darbar forests but the services of a trained Ranger have been placed at the disposal of the Jagirdar for the management of

his forests. The Jagirdar has agreed to work his forests according to the advice of the Superintendent of Forests offered to him from time to time.

(iii) Boundaries.

14. All the pillars were kept in repairs and many changes had to be made in the pillars in accordance with orders of the Musahib Ala. The Superintendent hopes that the alterations made by him have satisfied the right holders in nine out of ten cases. Absurd demands for more Guzaras, were, of course, rejected.

15. Owing to the boundary line disputes pillars were not plotted on to the settlement maps as the alterations made by the Superintendent required the formal sanction of Mahkma Khas and which sanction was given at the close of the year. However, a register of pillars showing their positions approximately, was being prepared when the year closed.

CHAPTER II.

Surveys and Working Plans and Annual Plan of operations.

(i) Survey and Maps.

16. In order to prevent extension of cultivations, fields belonging to Jagirdars, &c., situated in Jujawar, Kot and Vagol, &c., forests were surveyed and mapped by Settlement Department Amins.

(ii) Working Plans.

17. Nothing was done in this direction but data are being carefully recorded in anticipation of a working plan.

(iii) Annual Plan of operations.

18. A plan of operations for the year was prepared and acted upon as nearly as possible.

CHAPTER III.

Protection and Improvement.

(i) Establishment.

Forest conservancy :—

1 Superintendent
3 Forest Rangers

1 Head guard
30 Forest guards
1 English Clerk
1 Head Munshi
3 Munshies in Range offices
2 Peons
2 Khalasis
16 Jamiat Sawars (for dak)

Jodhpur Depot Establishment.

1 Mohorir
1 Forest guard

Arboriculture Establishment.

1 Forester
2 Forest guards
32 Malis and well-men
30 Camelmen (Bhishtis)

20. The three Forest Ranges, *i. e.*, Northern Godhwar, Southern Godhwar and Sojat were held by Rangers Daulat Ram, Gokul Chand and Jagan Nath respectively. Just at the close of the year orders were received to transfer Lala Daulat Ram Ranger to Raipur.

21. Lala Lachhman Das Forest apprentice passed the admission examination and joined the Imperial Forest school at Dehra Dun at the end of June 1893. He has successfully gone through the 1st year's course.

22. All the members of the protective and office establishment have worked satisfactorily. Forest Rangers Lala Gokal Chand and Jagan Nath and clerk Dasu Ram and Munshi Roop Narain deserve special commendation.

23. As remarked in para 26 of last year's report an assistant Munshi was appointed in the Superintendent's office owing to increase of Hindi work.

24. Average pay of Forest guards during 1892-93 was Rs. 5-8-3, while in 1893-94, it was 5-10-6. Some of the best Mina (Criminal tribes) Forest guards were given an increment of Re. 1 per mensem in their pay.

25. During the year there were 4 dismissals and 2 resignations of Forest guards against 15 dismissals and 4 resignations during 1892-93.

(ii) General Protection and breaches of the Law.

26. It is yet too early to speak of the results of the working of the new Forest act. There were fewer cases tried by Hakims than past year. There were 12 cases pending from last year and 5 instituted, during the year,

convictions were obtained in 10 cases involving 20 persons, and 7 remained pending at the close of the year. The percentage of convictions is very satisfactory being 100 per c/°.

27 The Superintendent compounded the following cases in comparison with those in 1892-93 :—

RANGE.	Cases compounded.									Remarks.
	Number of cases.	Number of persons.	Amount.			Average per case.			Average per person		
			Rs.	A.	P.						
Southern Godhwar...	39	121	390	1	0	10	0	0	3	3	7
Northern do. ...	49	102	268	12	0	5	7	6	2	10	2
Sojat	52	69	184	7	9	3	8	10	2	10	9
Total ...	130	292	743	5	9	5	11	6	2	8	9
1892-93 ...	275	592	960	8	9	3	7	11	1	10	0

28. The decrease in cases either tried by Magistrates or compounded by the Superintendent is evidently due to the leaving out of sufficient areas for the right holders and the timely and copious rains.

29. The following statement will show the No. of cattle impounded in comparison with those of the previous year :—

RANGE.	Description of cattle.					Remarks.
	Cows.	Buffaloes.	Sheep and goats.	Others.	Total.	
S. Godhwar	30	...	548	2	580	
N. Godhwar	365	64	828	51	1,308	
Sojat	433	78	...	26	537	
Total ...	828	142	1,376	79	2,425	
1892-93.	1,215	192	3,961	197	5,565	

(iii) Forest fires.

30. The area attempted in 1893-94 was 174,720 acres compared with 180,480 acres in 1892-93. There were 8 fire occurrences covering an area of 1,124 acres compared with 7 occurrences over 940 acres in 1892-93. Nearly all of these were due to the carelessness of the Bhils (criminal tribes) who in order to drive away flies from honey combs, keep smoking going on under the tree, and thus fire, often, spreads into the forest. As these men get honey at night time it is most difficult to prove such cases. There was only one serious fire occurrence in Sojat Range in Siryari forest over an area of about 1½ square miles. Three suspected persons were chalaned to the Hakumat, but they eventually paid a compensation of Rs. 55 and the case was compounded.

31. The most important feature of fire conservancy during the year was that 4 villages (right holders), *i.e.*, Saran, Siryari, Chhechli and Mada were, for the first time, fined Rs. 160 for refusing to assist in the extinguishing of forest fires.

The expenditure under this head came to Rs. 231 against Rs. 138 in 1892-93.

(iv) Grass and grazing.

32. The whole of 174,720 acres were closed to sheep, goats and camels through out the year. Horned cattle were allowed to graze over the whole of the area from April 1893, to end of June 1893 and then from 15th October 1893 to end of March 1894. Naturally inaccessible portions amounting to about 50,000 acres were, of course, not grazed over by any kind of cattle. It is to be greatly regretted that except during the rainy season, no forest can be closed to grazing, on an appreciable scale, without hardship to the neighbouring villages. The statement showing No. of cattle grazed in the forests for the past two years is given below :—

RANGE.	Cattle.				Remarks.
	Right holders.	Out siders.	Free.	Total.	
S. Godhwar	13,097	.....	889	13,986	
N. Godhwar ...	1,841	.....	.....	1,841	
Sojat	3,350	3	.....	3,353	
Total ...	18,288	3	889	19,180	
1892-93	4,291	24	2,955	7,270	

33. The reason for the increase in the No. of cattle grazed is due to the fact that in 1892-93 cattle were not allowed to graze after the rainy season, up to February 1893, while in 1893-94 Forests were thrown open to grazing on 15th October 1893.

(v) Grass by Pula system.

34. 1,106 maunds of grass were collected from the right holders, of this 118 maunds were sent to Jodhpur for Raj bullocks and 316 maunds sold locally and the rest supplied to the officers horses.

(vi) Natural Reproduction.

35. During the rainy season all forests are closed to grazing, so, as usual there was no lack of seedlings of Anogeissus pendula, Gol, Dhaman, Salar and Dhau trees but the unlimited grazing during the winter and hot weather killed most of them except in places which are too steep for the cattle to approach. Any how there is much improvement in this direction. Fine patches of naturally grown seedlings of various ages of Dhau were seen by the Superintendent in Behra, Bijapur, Sadhri, Vagol, Kot, Jujawar and Kantalia forests.

(vii) Reproduction by coppice.

36. Only ten acres of Dhau were coppiced in Desuri forest and the produce disposed of as fuel and char-coal and the plot closed to grazing. As hinted in para 56 of last year's report the coppice shoots in Saran forest are making good progress. This plot is specially fenced and the measurements obtained are as follows :—

Species.	*Height.*
Dhau [Anogeissus pendula]	4`-6"
Khair	... 7`-3"
Kolai	... 8`-0
Bor [Ziziphush]	9`-3"
Kumtia [a rupestris]	5`-6"

37. Unless maps are not available no regular method of coppicing can be adopted. Besides, at present, there is another difficulty of disposing of the coppice produce at a profit. However the system will be adopted in a few selected forests where fuel can be, locally, sold as this is the only way of working these forests properly. By the time a regular working Plan is made sufficient data will be forth-coming by means of these fellings.

(viii) Artificial reproduction.

38. As usual, sowings were made in several forests to fill up blanks. Tun, Nim, Babul, Shisham, Sagwan &c., seeds were sown. With the exception of Sagwan all seeds germinated well but the seedlings were damaged by rats and

white ants in Sojat Range. In Godhwar however about 20 per cent of the seedlings are still doing well. A small nursery was started at Nagar [Bijapur] at the express desire of His Highness the Maharaja Sahib. Jaman, Mango, Mohua and Sagwan seeds were sown, and watered regularly. With the exception of Sagwan all germinated and the seedlings are doing well. Out of 100 seeds of Sagwan only 7 seedlings came up and they are still doing well.

39. 7,190 bamboos kalms in Godhwar and 1,240 in Sojat Range were planted, of these 3,000 in Godhwar and 223 in Sojat survived. The rest died for want of water during the hot weather. Out of 90 kalms of 1892-93, 75 are still in a thriving condition.

Arboriculture work at Jodhpur.

(i) Jodhpur Plantations.

40. There were 6 plantations covering an area of 81 acres and having 9,870 Shisham, Nim, Sirs, Babul, Tun, &c., plants, at the commencement of the year. Two more plantations, one at Balsamand and one at Jodhpore, covering an area of 26 acres and having 1,500 plants of Shisham, Nim, Sirs, Badla and mango were added during the year. Besides when the year commenced there were 1,700 plants along the roads and 1,700 more were planted during the year, along the Ratanada road, Kaim Khani and Sardar Rasala's and Badla bera, &c.

41. The following Statement shows measurements of plants planted at Jodhpur since 1889:—

Species.	Plantation No. 1.		Plantation No. 2.		Plantation No. 3.		Plantation No. 4.		Plantation No. 5 & 6.		Plantation No. 7.		Remarks.
	6 years old.		5 years old.		4 years old.		3 years old.		2 years old.		1 year old.		
	H.	Girth at 1 above base.	H.	G.	H.	G.	H.	G.	H.	G.	H.	G.	
Nim ...	21'	1'-11¼"	19'	2'-1"	16'-7"	1'-2"	14'-8½"	11½"	13'-1½"	6¾"	8'-2"	3"	
Shisham ...	...	...	20'-10"	1'-3"	17'-7½"	1'-1"	13'-11"	9½"	16'-2¼"	4¼"	4'-1"	4"	
Sirs ...	...	...	...	...	...	...	20'-2"	1'-4"	...	...	8'-2"	3"	
Tun ...	...	...	...	...	10'-3½"	10"	...	...	...	...	...	...	
Babul ...	22'-8"	1'-6"	...	...	...	...	...	...	...	...	...	...	sown broad cost.

42. The two nurseries at the Forest well and Sardar Risala were kept up and three more were started. These five nurseries contained more than 12,000 plants at the close of the year. One of these nurseries is situated at Balsamand and is intended to plant up the maidan outside the gardens. This Balsamand nursery contained 1,200 Mango, 800 Jaman and 1,200 Nim and Shisham plants at the close of the year. One old well at Balsamand was repaired and used for watering the above nursery.

(11) Reboisement works at Bada Bhakar.

43. This hill is about the highest of Jodhpur hillocks and is about 6 miles from Jodhpur. It is situated to the right of the Kailana stream at an elevation of about 1,700 feet. There is a fine flat space (mostly rock) at the top of the hill and it is intended to fill up this flat space with shady trees such as Badla (Ficus Bengalensis) Nim and Jaman, &c. Fifty plants of Nim, Shisham, Jamman and Mangoes were transplanted in 1892-93 and 150 more added during the year. With the exception of few Badla plants which were damaged by rats all of them are in a flourishing condition.

44. In order to collect water at the top of the hill, a small banda has also been made. As remarked in para 74 of last year's report, the kacha bundá was washed away by the rush of water and consequently a masonry wall 2' wide was made in front of the bundá. During June and July 1894 there was collected about 2' of water in the bundá and it lasted up to July 1894. It is hoped that if the bundá is full to brim, the water will last much longer.

45. By order of the Musahib Alá the enforesting of the Chhetar hill was also taken in hand and 40 Badla plants planted.

46. 408 kachá and 184 paccá golrás were made for the protection of road side, cavalry lines, Bada Bhaker and Chhetar plants. 98,196 cft. of ditch were also made round plantations and Kaim khani Rasala lines.

47. All the golras along roads, &c., and new plantations and nurseries were fenced by thorns. The old fences were also thoroughly repaired.

48. As to the exotics Shisham has well established itself and is in a very flourishing condition.

49. Tun, though better than last year, is still in a somewhat unsatisfactory condition. Bamboo, (Benaras), Tun and Sagwan seeds obtained from Saharanpur gardens were sown at Jodhpur in plantation No. 2 in a shady place. Bamboo seed germinated well. Tun seedlings came up and subsequently died away. Sagwàn did not germinate at all.

50. ½lb of bamboo seed gave 403 plants, of these 298 were transplanted at Balsamand along a stream, 60 at Residency buildings and 45 at the

forest well ; of these 57 at Balsamand, 20 at Residency buildings and 17 at the forest well died away during the hot weather, the rest are in a thriving condition.

(iii) Financial.

51. 960 maunds of grass worth about Rs. 1,200 were obtained from plantation No. 1 and 2 and stored for the use of the Raj bullocks. Bor fruit was attacked by insects and hence could not be sold. Prunning of trees and weeds, &c., from plantations were disposed of for Rs. 75.

52. The expenditure for the year compares as follows with that of 1892-93:—

		1892-93	1893-94
Protective establishment	... Rs.	153-0-0	426-0-0
Watering ...	... „	3,537-0-0	5,005-0-0
Malis ...	... „	703-0-0	1,248-0-0
Feed and keep of bullocks	... „	537-0-0	970-0-0
Temporary establishment	... „	352-0-0	356-0-0
Nurseries and planting	... „	308-0-0	632-0-0
Fencing ...	... „	998-0-0	1,166-0-0
Tools ...	... „	11-0-0	31-0-0
Bada Bhakar works ...	... „	1,615-0-0	1,294-0-0
Chhetar ...	... „	...	224-0-0
Miscellaneous ...	... „	125-0-0	962-0-0
Total ...	Rs.	8,339-0-0	12,314-0-0

that is Rs. 3,975 more than 1892-93. The increase of work fully justifies it. Besides wells at the Railway Station, Doctor Adam's bungalow and one at Balsamand were made over to the Department for working purposes.

(xi) Roads and Buildings.

53. *Roads.*—Two paths in the Náná forest about 11 miles in length were improved and made into cart tracks at a cost of Rs. 36 for the convenience of the fuel traders and to facilitate the inspection of the forest.

54. A new cart track 8 miles long was made for the same purpose in Mádrá and Latara forests at a cost of Rs. 47.

55. *Buildings.*—A guard's hut was built at Náná at a cost of Rs. 8 and another at Sadhri for Rs. 12.

CHAPTER IV.

Yield and Working.

56. Summary of Forest Produce removed from forests during the year.

Descriptions.	Timber.		Fuel.		Remarks.
	1892-93 cft.	1893-94 cft.	1892-93 cft.	1893-94 cft.	
Removed by Raj Agency ...	.....	1,893	.....	15,100	
Do. „ Purchasers ...	17,350	40,966	17,608	160,012	
Do. Free grants ...	9,917	391	292,493	.....	
Do. Right holders ...	8,766	16,610	1,560	298,923	
Total ...	36,033	59,860	311,661	474,035	

57. Formerly what was given to right holders without charge was included in free grants and now such produce has been shown as supplied to right holders.

Minor Produce.

Description.	1892-93.	1893-94.	Remarks.
	Rs.	Rs.	
Removed by Raj Agency ...	9	22	
„ „ Purchasers ...	925	1,120	
„ „ Free grants ...	2,408	1,151	
„ „ Right holders ...	1,064	7,735	
Total ...	4,406	10,028	

Departmental Operations.

58. *Timber.*—Salar (Boswellia thurifera) trees are to be found in great abundance in Náná and Behra forests and hence as an experiment, 106 Salar,

Gol (odina woodier) and Karaya (sterculia urens) trees were felled by selection method in Nánà forests and converted into 2,305 planks and scanttings of various dimensions at a cost of Rs. 370 (including price of saws, &c.,) and sent to Jodhpur Depot. Of these 712 were sold for Rs. 415 up to end of the year.

59. 35 Dhau scanttings of various sizes from 4 to 6 cft. each were cut in Behra forest and supplied to the Raj for the construction of the Jawalia bungalow for Rs. 115-8-0 but the amount was not realized during the year.

60. 36 Badla Pats (Ficus Bengalensis) were cut and stored in Jujawar and Kot forests for the use of the State Bagikhánà

61. *Fuel.*—1,500 maunds of fuel were obtained from the coppicing of 10 acres in Desuri forest, of this 870 maunds were sold locally for Rs. 33 and 345 maunds were supplied to the camp of the Durbar while at Desuri.

62. 175 maunds of dry fuel were collected from Bánsor forest and sent to Jodhpore Depot.

63. *Charcoal.*—Out of coppice stock at Desuri 40 maunds of charcoal were made, of this 27 maunds were sold locally for Rs. 18 and the rest supplied to the Durbar camp while at Desuri.

64. As heaps of dry khair wood were rotting in the Nana forests 525 maunds of charcoal were prepared and sent to Jodhpur Depot. Of this 171 maunds were sold at Jodhpur for Rs 235.

65. *Bamboos.*—Thirty bamboo rhyzomes were supplied to the military authorities at Erinpura for Rs. 2-0-6.

66. *Minor Produce.*—Rs. 4-8 were realized by sale of honey and wax obtained by Raj Agency and Rs. 15 by sale of grass obtained from right holders.

(ii.) Removal of Produce by purchasers.

67. *A. Timber.*—As shown in the summary of Forest produce 40,966 cft. of timber worth Rs. 5,970 were removed by purchasers against 17,350 cft. worth Rs. 1,868 in 1892-93.

68. *B. Fire wood.*—141,788 cft. of fire wood were removed during the year for Rs. 1,582 against 17,608 cft. worth Rs. 410 in 1892-93.

69. *C. Charcoal.*—1,139 maunds of charcoal worth Rs. 407 were removed from forests by purchasers.

70. *D. Bamboos.*—20,092 bamboos were sold to purchasers for Rs. 455 from Bijapur, Sewari ,Sadhri, Desuri aud Vagol, &c., forests.

71. *E. Grass and grazing.*—Rs. 25 were realized by sale of grass and Re. 1 as grazing revenue against Rs. 113 and 46 respectively in 1892-93.

72. *F. Minor Produce.*—

Description.	1892-93.	1893-94.	Remarks.
Pálá	...	2	
Moya grass	145	243	
Khaka	198	...	
Honey and wax ...	109	213	
Mangoes	...	4	
Mohwa flowers ...	...	11	
Anwal bark(cassia auriculata)	...	69	
Miscellaneous ...	29	97	
Total ...	481	639	

73. It will be seen from above that there was increase under every head except that of grass and grazing. Increase in timber and fuel, &c., is due to the reduction in rates and decrease in grass and grazing shows that the year was one of prosperity as owing to good rains, people had no necessity to go to the State forests for grass and grazing.

(iii) Free Grants.

74. The following statement will show free grants made during the year as compared with those in 1892-93:—

Description.	Estimated value.		Remarks.
	1892-93.	1893-94.	
Timber	568	123	
Fuel	4,765	...	
Bamboos	...	113	
Grass	1,509	500	
Grazing	574	500	
Other produce ...	325	38	
Total ...	7,741	1,274	

IV. Right holders.

74. *A. Timber.*—13,945 cft. of timber were given to right holders of B. and C. class villages for which they had to pay Rs. 1,799 as well dues, of which Rs. 1,749 were realized during the year.

75. 2,665 cft. of timber were given to non-cultivators of B. and C. class villages at reduced rates for Rs. 383 realized during the year.

76. *B. Fuel.*—Right holders of A. and B. class villages were supplied with 2,89,467 cft. of fire wood free of charges. C. class villages were supplied with 2,364 maunds of fire-wood for Rs 42 at reduced rates.

77. *C. Bamboos.*— 825 bamboos were given to B. and C. class right holders for Rs 14.

78. *D. Grass and Grazing.*—3,349 maunds of grass were supplied to the C. class right holders for Rs 36.

79. 55,000 maunds of grass were cut by A. and B. class right holders free of charge.

80. 8,077 heads of cattle belonging to B. and C. class right holders grazed in the forests and paid Rs. 1,849 at reduced rates.

81. 6,611 horned cattle and 3,600 sheep and goats belonging to A. class right holders grazed without any fees.

82. *E. Minor Produce.*—Rs. 66 were realized by sale of 957 head loads of Mohya grass and 2 cart loads of Pala to the right holders at reduced rates.

CHAPTER V.

Financial Results

83. The table below shows financial results of the year compared with those of the last 4 years:—

Particulars.	1889-90.	1890-91.	1891-92	1892-93.	1893-94.	Remarks.
Receipts ...	5,399	20,918	30,754	9,691	16,372	
Charges ...	7,653	10,692	15,975	11,223	12,338	
Defecit ...	2,254	.....	.....	1,532	.....	
Surplus ...	.....	10,226	14,779	.....	4,034	

84. The expenditure is Rs. 1,115 more than the previous year.

Particulars.	1892-93.	1893-94.	Remarks.
A.—Conservancy and works ...	805	2,224	+1,419
B.—Establishment	10,418	10,114	—304
Total ...	11,223	12,338	

85. The increase under A. (conservancy and works) is due to the Departmental working in timber and charcoals.

86. The receipts and charges for the past two years compare as follows under the three main heads:—

Year.	Timber and other Departmental Operations.		Other revenue		Formation protection and improvement of Forests.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.	
1892-93 ...	2,136	711	7,555	10,418	64	9,691	11,223	
1893-94 ...	1,261	1,477	15,111	10,525	336	16,372	12,338	

87. The following returns accompany the report:—

Form	...	No.	49
,,	...	,,	50
,,	...	,,	51
,,	...	,,	52
,,	...	,,	54
,,	...	,,	55
,,	...	,,	56
,,	...	,,	58
,,	...	,,	59
,,	...	,,	60
,,	...	,,	61
,,	...	,,	62

ANNUAL FORM NO. 49.

Forest Department, Marwar State. Area of the Forest 1893-94.

State.	Range.	Area on 1st April 1893.		Added during the year.	Excluded or transferred to other heads.	Area on 1st April 1894.		Number and date of Kafiyat of addition and transfers.	Remarks.
		Areas.	Equivalent during the year.			Acres.	Equivalent in square miles.		
Marwar ...	Southern Godhwar...	113,920	178	.....	320	113,600	177½	By adjustment of boundary lines.	
	Northern Godhwar...	19,840	31	.....	320	19,520	30½		
	Sojat Range ...	46,720	73	.....	5,120	41,600	65		
	Total ...	180,480	282	.....	5,760	174,720	273		

ANNUAL FORM NO. 50.

Forest Department, Marwar State. Register of Breaches of Forest Rules during 1893-94.

Forest range and civil pargana.	Cases pending from 1892-93.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR						Cases pending at close of the year.	Remarks.
		Injury to Forest by fire.	Unauthorized felling or appropriation of wood and minor produce.	Grazing without permission or in tract in which grazing is prohibited.	Other offences.	Total new cases during the year		Convictions.		Acquittals.		Total.			
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
A.—Cases tried by Hakims—															
Southern Godhwar... ...	7	...	3	2	...	5	12	5	11	...	...	5	11	7	
Northern Godhwar... ...	0	...	.....	.....	...	...	...	...	...	...	...	...	...	.....	
Sojat	5	...	...	.....	...	...	5	5	9	...	...	5	9	.....	
Total ...	12	...	3	2	..	5	17	10	20	...	...	10	20	7	
B.—Case compounded by Forest officials—															
Southern Godhwar... ...	...	...	18	12	9	39	39	39	121	...	...	39	121	.....	
Northern Godhwar... ...	...	...	26	13	10	49	49	49	102	...	...	49	102	.....	
Sojat	...	...	35	9	8	52	52	52	69	...	...	52	69	.....	
Total ...	...	...	79	34	27	140	140	140	292	...	...	140	292	.....	
Grand Total ...	12	...	82	36	27	145	157	150	312	...	...	150	312	7	

ANNUAL FORM NO. 51.

Forest Department, Marwar State. Area of Forest tracts protected from fire during the dry season 1894 to accompany report for 1893-94.

Range.	Forest tracts.	Year in which protection commenced.	Area actually protected up to 15th June 1893.	During dry season of 1894.			Cost during the season.	Remarks.
				Area attempted to be protected.	Failures.	Actually protected.		
							Rs.	
Southern Godhwar	Sewari Block ...	1891	1,13,010	1,13,600	159	1,13,441	135	
Northern Godhwar	Desuri ...	1891	19,820	19,520	.....	19,520	.....	
Sojat ...	Kantalia ...	1891	46,710	41,600	965	40,635	96	
	Total ...		1,79,540	1,74,720	1,124	1,73,596	231	

ANNUAL FORM NO. 52.

Forest Department, Marwar State. Area ef plantation.

Range.	Name of plantation.	Area acres.				Receipts	Charges	Remarks.
		On 1st april 1893.	Added during the year.	Excluded during the year.	Area on 1st March 1894.	of the year.		
Godhwar ...	Sadhri ...	2	...	...	2	...	9	
Sojat ...	Kajalwa and Dharchsur ...	...	1	...	1	...	...	
Jodhpore ...	Plantations at Jodhpore and Balsamand	81	26	...	107	75	10,866	This belongs to Arboriculture at Jodhpur.
	Total ...	83	27	...	110	75	10,875	

ANNUAL FORM No. 54.

Forest Department, Marwar State. Outturn (in cubic feet solid) of timber and fuel during the year 1893-94 and Agency of exploitation.

RANGE.	TIMBER IN THE ROUGH LOGS.					TIMBER IN THE ROUGH POLES.					SAWN OR SQUARED TIMBER.					MISCELLANEOUS.					FUEL.					Total.
	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right Holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right Holders.	Total.	
Southern Godhwar	...	...	...	...	...	1,893	16.504	...	6.346	24,743	...	...	...	...	...	...	..	...	...	...	8.400	128,632	...	185,573	322,605	347,348
Northern Godhwar	...	...	...	...	...	...	5,666	...	3,698	9,364	...	...	...	...	...	...	...	...	...	...	6.700	31.160	...	90,000	127,860	137.224
Sojat ...	...	...	...	...	..	...	18,796	391	6,566	25,753	...	...	...	...	...	...	...	..	...	..	...	220	...	23,350	23,570	49,323
Total ...						1,893	40,966	391	16,610	59,860											15,100	160,012	...	298,923	474,035	533,895

ANNUAL FORM NO. 55.

Forest Department, Marwar State. Outturn of Minor forest produce during year 1893-94.

RANGE.	DESCRIPTION OF PRODUCE.	PRODUCE REMOVED OR UTILIZED.										REMARKS.
		RAJ AGENCY.		PURCHASERS.		FREE GRANTS.		RIGHT-HOLDERS.		TOTAL.		
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
Southern Godhwar	Bamboos (No.) ...	30	2	11,517	262	5,000	113	725	12	17,272	389	
	Grass (Maunds) ...	.....	.....	120	6	10,000	500	2,040	1,395	12,160	1,901	
	Grazing (cattle) ...	.....	.....	.....	.....	889	500	13,097	3,428	13,986	3,928	
	Mohya (head-loads)	.....	.....	2,458	242	400	38	957	65	3,815	345	
	Honey and wax ...	.....	.....	.....	156	.....	.....	.....	.....	.....	156	
	Miscellaneous ...	.....	.....	.....	127	.....	.....	.....	.....	.....	127	
Northern Godhwar	Bamboos ...	.....	.....	8,225	185	.....	.....	100	2	8,325	187	
	Grass ...	.....	.....	.....	.....	.....	.....	2,000	100	2,000	100	
	Grazing ...	.....	.....	.....	.....	.....	.....	1,841	501	1,841	501	
	Mohya ...	.....	.....	5	1	.....	.....	.....	.....	5	1	
	Honey and wax ...	.....	.....	.....	29	.....	.....	.....	.....	.....	29	
	Miscellaneous ..	.....	.....	.....	45	.....	.....	.....	1	... ..	46	
Sojat	Bamboos ..	.....	.....	350	8	.....	.....	.....	.....	350	8	
	Grass (Maunds) ...	316	15	159	19	.....	.....	26,809	1,291	27,284	1,325	
	Grazing ...	.....	.....	3	1	.....	.....	3,350	940	3,353	941	
	Mohya ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Honey and wax ...	11	5	.....	28	.....	.....	.....	.....	11	33	
	Miscellaneous ...	.....	.....	.....	11	.....	.....	.....	.....	.....	11	
	Total ...	357	22	22,837	1,120	16,289	1,151	50,919	7,735	90,402	10,028	

ANNUAL FORM NO. 56.

Forest Department, Marwar.—Account of Timber and other produce cut or collected by Raj Agency and brought to sale depots or sold locally during the year 1893-94.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
TIMBER.				
Balance at commencement of the year.				
Northern Godhwar range.				
Kani	94			
Dandas	348			
Thoblis	103			
Balindas	4			
Balies	34			
Mial	119		702	
Sojat range.				
Dandas	2,137			
Mial	3			
Balies.	91			
Thambas	5			
Balindas	1		2,237	
Jodhpur Sub-range.				
Dandas	5,170		5,170	
Total Balance ...			8,109	
DISPOSALS—				
I. True disposals.				
Sold locally.				
Southern Godhwar range.				
Dhow pats	35			
Sojat range.				
Dandas	341		376	
Removed by purchasers from depots.				
Jodhpur sub-range.				
Dandas	5,030			
Ins	8			
Salar, Gol and Karea planks ...	709			
Chokhats	60		5,807	
Used by the Department.				
Jodhpur sub-range.				
Salar planks	3			
Dhow Dandas	432		435	

ANNUAL FORM NO. 56.—(Continued.)

Forest Department, Marwar.—Account of Timber and other Produce cut or collected by Raj Agency and brought to sale depots or sold locally during the year 1893-94.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
RECEIPTS—				
I. True receipts.				
Southern Godhwar range.				
Salar, Gol and Karea planks ...	2,203			
Chokhats	94			
Dhow pats	35			
Ins	8		2,340	
Northern Godhwar range.				
Badla pats	36		36	
Total true receipts ...			2,376	
II. Cross receipt.				
Jodhpur Sub-range.				
Dandas	260			
Ins	8			
Salar, Gol and Karea planks ...	2,003			
Chokhats	84		2,355	
Northern Godhwar range.				
Salar planks	60		60	
Total cross receipts ...			2,415	

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Struck off on account of being damaged.				
Northern Godhwar range.				
Kani	94			
Dandas	348			
Thoblis	103			
Balindas	4			
Balies	34			
Mial	119			
Sojat range.				
Dandas	1,536			
Mials	3			
Balies	91			
Balinda	1			
Thobli	5			
Southern Godhwar range.				
Salar, Gol and Karea planks ...	21			
Jodhpur sub-range.				
Dandas	30		2,389	
Total true disposals ...			9,007	
II. Cross disposals.				
Southern Godhwar range.				
Salar, Gol and Karea planks ...	2,063			

III. REMEASUREMENT OF OLD STOCK.		
Jodhpur sub-range.		
Dandas	318	318
Total ...		318
Total receipts ...		5,109
Grand Total ...		13,218

FIREWOOD.

Balance at commencement of the year.		
Northern Godhwar range ...	2,509	
Sojat range	2,050	4,559
Total Balance ...		4,559
RECEIPTS—		
I. TRUE RECEIPTS.		
Northern Godhwar range ...	1,675	1,675
Total true receipts ...		1,675
II. CROSS RECEIPTS.		
Jodhpore sub-range ...	175	175

Chokhats	84	
Ins	8	2,153
Sojat range.		
Dandas	260	260
Total cross disposal ...		2,415
Total disposals ...		11,422
Balance at close of the year.		
Southern Godhwar range.		
Salar planks	119	
Chokhats	10	129
Northern Godhwar range.		
Badla pats	36	
Salar planks	60	96
Jodhpur Sub-range.		
Dandas	256	
Salar and Gol planks ...	1,291	
Chokhats	24	1,571
Total Balance ...		1,796
Grand Total ...		13,218
DISPOSALS—		
I. TRUE DISPOSALS.		
Sold locally Northern Godhwar range ...	1,215	1,215
Utilized in making charcoal ...	285	285
Struck off on account of being damaged	4,559	4,559
Total true disposals ...		6,059
II. CROSS DISPOSALS.		
Northern Godhwar range ...	175	175
Total cross disposals ...		175
Total disposals ...		6,234

ANNUAL FORM NO. 56.—(Continued)

Forest Department, Marwar.—Account of Timber and other Produce cut or collected by Raj Agency and brought to sale depots or sold locally during the year 1893-94.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Total cross receipts ...			175	
Total receipts ...			1,850	
Grand Total ...			6,409	
CHARCOAL.				
Balance at commencement of the year.				
Sojat range	246		246	
Total Balance ...			246	
RECEIPTS—				
I TRUE RECEIPTS.				
Southern Godhwar range ...	534		534	
Northern Godhwar range ...	39		39	
Total true receipts ...			573	
II. CROSS RECEIPTS.				
Jodhpur sub-range ...	392		392	
Total cross receipts ...			392	

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Balance at close of the year.				
Jodhpore sub-range	175		175	
Total Balance ...			175	
Grand Total ...			6,409	
DISPOSALS—				
I. TRUE DISPOSALS.				
Sold locally				
Southern Godhwar range ...	107			
Northern Godhwar range ...	39			
Sojat range	223		379	
Removed by purchasers from depot Jodhpur	64		64	
Struck off on account of being damaged.				
Southern Godhwar range ...	35			
Sojat range	13		48	
Total true disposals ...			491	
II. CROSS DISPOSALS.				
Southern Godhwar range ...	392		392	

Total receipts ...		965	
Grand Total ...		1,211	
Balance at commencement of the year.			
Sojat range	330	330	
Total Balance ...		330	
RECEIPTS—			
Sojat range	340	340	
Total receipts ..		340	
Grand Total ...		670	

MISCELLANEOUS.

Balance at commencement of the year.			
Northern Godhwar range.			
Grass	2,326	2,326	
Sojat range.			
Grass	28	28	
Total Balance ...		2,354	
RECEIPTS—			
I. True receipts.			
Southern Godhwar range.			
Grass collected by Pala system...	314	314	
Total cross disposals ...			392
Total disposals ...			883
Balance at close of the year.			
Jodhpore sub-range ...	328		328
Total Balance ...			328
Grand Total ...			1,211

BAMBOOS.

DISPOSALS—		
Sold locally Sojat range ...	340	340
Struck off on account of being damaged	330	330
Total disposals ...		670
Balance ...		.....
Grand Total ...		670

MISCELLANEOUS.

DISPOSALS—		
I. True disposals.		
Sold locally Sojat range.		
Grass	316	
Honey and wax	10	326
Used by the Department.		
Southern Godhwar range grass...	185	
Northern Godhwar range grass...	78	
Sojat range	94	
Jodhpur sub-range grass ...	118	475
Total true disposals ...		801

ANNUAL FORM NO. 56.—(Continued.)

Forest Department, Marwar.—Account of Timber and other Produce cut or collected by Raj Agency and brought to sale depots or sold locally during the year 1893-94.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Northern Godhwar range.					II. Cross disposals.				
Grass collected by pala system...	117		117		Southern Godhwar range grass...	78		78	
Sojat range.					Sojat range grass.	40		40	
Grass collected by pala system...	675		675		Total cross disposals ...			118	
Honey and wax	10		10		Total disposals ...			919	
Total true receipts ...			1,116		*Balance at close of the year.*				
II. Cross receipts.					Southern Godhwar range grass...	51		51	
Jodhpur sub-range... ...	118		118		Northern Godhwar range grass...	39		39	
Total cross ...			118		Sojat range grass	225		225	
Grand Total ...			1,234		Total Balance ...			315	
					Grand Total ...			1,234	

ANNUAL FORM NO. 58.

Forest Department, Marwar State. Summary of revenue of different ranges of Marwar Forests during 1893-94.

Budget Heads.	Southern Godhwar range.	Northern Godhwar range.	Sojat range.	Jodhpore sub-range.	Total.	Remarks.
I. Timber and other produce removed from the Forests by Raj Agency						
(a) Timber	721 13 10	7 0 0	15 12 6	....	744 10 4	
(b) Firewood and charcoal	234 8 9	50 10 0	118 0 0	....	403 2 9	
(c) Bamboos	2 0 6	....	....	....	2 0 6	
(d) Grass and minor produce	0 6 0	....	19 6 6	91 13 0	111 9 6	
II. Timber and other produce removed from the Forests by purchasers or consumers.						
(a) Timber	4,403 9 6	1,210 2 0	2,619 0 0	....	8,232 11 6	
(b) Firewood and charcoal	1,756 8 9	266 4 6	3 1 6	....	2,025 14 9	
(c) Bamboos	274 9 9	187 0 6	7 14 3	....	469 8 6	
(d) Grazing and fodder grass	747 7 6	611 9 9	773 6 6	....	2,132 7 9	
(e) Other minor produce	589 1 3	76 9 9	47 11 0	....	713 6 0	
III. Confiscated drift and waifwood	0 8 0	6 0 3	3 12 6	....	10 4 9	
IV. Revenue from forests not managed by Raj						
(a) Duty on foreign timber and other forest produce ...						
(b) Revenue from shared and private Forests ...						
V. Miscellaneous						
(a) Fines and forfeitures						
(b) Refunds						
(c) Other sources	457 5 6	615 3 9	454 3 3	....	1,526 12 6	
Total	9,187 15 4	3,030 8 6	4,032 4 0	91 13 0	16,372 8 10	
Arboriculture	....	....	....	75 3 6	75 3 6	
Grand Total	91 87 15 4	3,030 8 6	4,062 4 0	167 0 6	16,447 12 4	

Forest Department, Marwar State. Summary of expenditure of different ranges of Marwar Forests during 1893-94.

BUDGET HEADS.	Direction.	Southern Godhwar range.	Northern Godhwar range.	Sojat range	Jodhpur sub range.	Total	REMARKS.
A.—CONSERVANCY AND WORKS.							
I.—Timber and other produce removed from the Forests by Raj Agency—							
(a) Timber	..	849 12 1	5 7 0	4 0 0	...	859 3 1	
(b) Firewood and charcoal	...	406 10 6	190 15 6	5 13 6	..	603 7 6	
(c) Bamboos	..	0 9 0	.		.	0 9 0	
(d) Grass and other minor produce	...	4 8 0		6 12 0		11 4 0	
II.—Timber and other produce removed from the Forests by purchasers or consumers—	...	13 12 0		..	.	13 12 0	
III.—Confiscated drift and waifwood—	...		2 8 0	...	...	2 8 0	
IV.—Revenue from Forests not managed by Raj—							
(a) Duty on foreign timber and other forest produce	...	...		...		.	
(b) Revenue from shared and private forests	...	..	..	...		...	
V.—Rent of leased forests and payment to share-holders in forests managed by Raj—							
VI.—Live-stock, stores, tools and plants—							
(a) Purchase of cattle	...	.	...	..		..	
(b) Feed and keep of cattle	.	...	...	..		..	
(c) Purchase of tools, stores and plants	102 5 0	26 14 6	..	0 7 0	...	129 10 6	
VII.—Communications and buildings—							
(a) Roads and bridges	...	73 15 3	7 3 8	...	.	81 2 11	
(b) Buildings	..	20 2 0	12 9 6	7 9 0		40 4 6	
(c) Other works	..	..					
VIII.—Demarcation, improvement and extension of Forests—							
(a) Demarcation	...		.		..		
(b) Compensation of land and rights	.						
(c) Surveys and working plans	...	0 12 6	59 3 7	58 6 0	.	118 6 1	
(d) Sowing and planting	...	42 10 6	6 3 0	29 12 0	...	78 9 6	
(e) Protection from fire	...	48 8 4	45 7 9	44 13 0	.	138 13 1	
(f) Other works	...				.		
IX.—Miscellaneous—							
(a) Refunds	.	...			...	..	
(b) Law charges	...				.		
(c) Other charges	14 9 1	41 8 6	5 2 9	85 1 3	.	146 5 7	
TOTAL A.—CONSERVANCY AND WORKS	116 14 1	1,329 11 2	334 12 9	242 9 9	..	2,223 15 9	

ANNUAL FORM NO. 58.—(Concluded.)

Forest Department, Marwar State.—Summary of expenditure of different Ranges of Marwar Forests during 1893-94.

BUDGET HEADS.	Direction.			Southern Godhwar Range.			Northern Godhwar Range.			Sojat Range.			Jodhpore sub-Range.			Total.			REMARKS
B. ESTABLISHMENT.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
I.—Salaries—																			
(a) Superior establishment	1,900	0	0	...			...			...			...			1,900	0	0	
(b) Executive establishment	...			600	0	0	495	3	7	540	0	0	...			1,635	3	7	
(c) Protective establishment	19	8	0	824	8	11	672	10	1	662	9	0	...			2,179	4	0	
(d) Office establishment	967	4	0	132	0	0	144	0	0	117	6	0	...			1,360	10	0	
(e) Pensionary contribution	107	10	7	...			...			...			...			107	10	7	
II.—Travelling allowance—																			
(a) Superior establishment	878	8	6	...			...			...			...			878	8	6	
(b) Executive establishment	14	10	4	229	12	0	211	8	0	210	11	8	...			666	10	0	
(c) Protective establishment	...			4	15	8	4	5	4	4	2	8	...			13	7	8	
(d) Office establishment	255	7	0	9	4	6	6	15	5	...			...			271	10	11	
(e) Keep and feed of conveyance supplied by Raj	275	0	0	...			...			...			...			275	0	0	
III.—Contingencies—																			
(a) Stationary	44	0	8	5	6	3	3	15	3	4	15	0	...			58	5	2	
(b) Carriage of tents and records	69	11	6	3	13	6	0	12	0	12	7	6	...			86	12	6	
(c) Rents rates and taxes	95	3	3	1	0	0	18	4	9	13	8	0	...			128	0	0	
(d) Official postage	75	0	0	2	0	0	2	0	0	2	0	0	...			81	0	0	
(e) Sundries	434	9	3	14	14	9	10	10	9	10	14	6	...			471	1	3	
Total B. establishment ...	5,136	9	1	1,827	11	7	1,570	5	2	1,578	10	4	...			10,113	4	2	
Total of expenditure A. Conservancy ...	116	14	1	1,529	11	2	334	12	9	242	9	9	...			2,223	15	9	
Arboriculture ...	...			...			...			...			12,314	7	6	12,314	7	6	
GRAND TOTAL ...	5,253	7	2	3,357	6	9	1,905	1	11	1,821	4	1	12,314	7	6	21,651	11	5	

ANNUAL FORM NO. 59.

Forest Department, Marwar State. Account current for the year 1893-94.

	Rs.	A.	P.	Rs.	A.	P.		Rs.	A.	P.	Rs.	A.	P.
Cash balance	38	6	7	38	6	7	EXPENDITURE AS PER ANNUAL SUMMARY FORM No. 58.						
REVENUE AS PER ANNUAL SUMMARY FORM No. 58.							Forest conservancy	12,337	3	11	...	...	...
Forest conservancy	16,372	8	10				Arboriculture	12,314	7	6	24,651	11	5
Arboriculture	75	3	6	16,447	12	4	FOREST CASH REMITTANCE LOCAL—						
FOREST CASH REMITTANCES LOCAL—							Remittances to Treasury	16,447	12	4	16,447	12	4
Forest cheque drawn	24,950	0	0	24,950	0	0	Exchange of coin Kaldar with Bijasahi ...	118	0	0	118	0	0
Exchange of coin Kaldar and Bijasahi ...	121	6	3	121	6	3	Advances recoverable	16,099	9	8	16,099	9	8
Advances recoverable	15,999	8	0	15,999	8	0	Balance	...	...	...	149	15	9
Total ...	...	...	..	57,467	1	2	Total ...	...	...	...	57,467	1	2

ANNUAL FORM NO. 60.

Forest Department, Marwar State. Revenue received and outstandigns on account of Revenue during 1893-94.

Range.	Particulars.	Outstandings at commencement of year.	Values of sales and other revenue during the year.	Total.	Amount realised during year.	Balance due to the department at end of year.	Remarks.
Southern Godhwar ...	.....	849 8 ...	9,219 15 4	10,069 7 4	9,187 15 4	869	Rs. 12-8 struck off by order of Mahkmakhas.
Northern Godhwar ...	.....	348 ... 6	2,885 5 ..	3,233 5 6	3,030 8 6	175 5 ...	Rs. 27-5 struck off as they were written twice by oversight.
Sojat	.....	185 11 ...	3,890 4 ...	4,075 15 ...	4,062 4 ...	8 4 ...	Rs. 5-7 struck off by order of Mahkmakhas.
Jodhpore	.....	256 1 ...	....	256 1 ...	91 13 ...	164 4 ...	
Total ...		1,639 4 6	15,995 8 4	17,634 12 10	16,372 8 10	1,216 15 ...	

ANNUAL FORM NO. 61.

Forest Department, Marwar State. Outstanding and liabilities on account of contractors and disbursers for 1893-94.

RANGE.	DEPARTMENT DEBTOR.									DEPARTMENT CREDITOR.									BALANCE DUE.						REMARKS.
	At commencement of year.			Recoveries in cash and value of supplies and works done during the year.			At close of year.			At commencement of year.			Payments made during year.			At close of year.			To Department (outstanding.)			By Department liabilities.			
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Head office	...	...	...	8,738	13	2	8,738	13	2	38	6	7	8,850	6	4	8,888	12	11	149	15	9	...	...	...	
Gokal Chand F. ranger ...	...	...	...	2,928	5	2	2,923	5	2	44	14	6	2,910	0	0	2,954	14	6	31	9	4	...	...	...	
Doulat Ram F. ranger ...	...	...	...	1,735	2	8	1,735	2	8	21	6	3	1,729	0	0	1,750	6	3	15	3	7	...	...	...	
Jagun Nath F. ranger ...	...	...	...	1,776	5	8	1,776	5	8	81	3	4	1,785	0	0	1,860	3	4	89	13	8	...	...	...	
Daya Chand instead of Basant Ram.	...	...	...	5,268	12	3	5,268	12	3	13	12	3	5,255	0	0	5,268	12	3	...	...	..	...	...	...	
Puran Chand Forester ...	...	...	...	4,035	6	3	4,035	6	3	...	..	...	4,120	9	8	4,120	9	8	85	3	5	...	...	...	
Rup Narain Munshi ...	...	...	..	40	0	0	40	0	0	...	...	...	150	0	0	150	0	0	110	0	0	...	...	...	
Made Contractor ...	...	...	...	150	0	0	150	0	0	...	...	...	150	0	0	150	0	0	...	...	...	...	...	...	
Total ...	...	...	...	24,667	13	2	24,667	13	2	199	10	11	24,950	0	0	25,149	10	11	481	13	9	...	...	...	

ANNUAL FORM NO. 62.

Forest Department, Marwar State. Financial results of the year 1893-94.

Range.	Timber and other produce removed from the forests by Raj agency.		Other Revenue.		Formation protection and improvement of forests.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.	
Southern Godhwar range ...	959	1,262	8,227	2,003	92	9,186	3,357	
Northern Godhwar range ...	58	196	2,973	1,599	110	3 031	1,905	
Sojat range	153	17	3,910	1,671	133	4,063	1,821	
Jodhpore sub-range ...	92	.....	.....	.....	.....	92	... .	
Total ...	1,262	1,475	15,110	5,273	835	16,372	7,083	
Direction	.....	.....	.....	5,254	....	.....	5,254	
Grand Total ...	1,262	1,475	15,110	10,527	335	16,372	12,337	

APPENDIX A.

Agreement entered into by the Raipur Thakur with the Durbar.

THE THAKUR HAS AGREED—

(1.) To place his forests for protection and conservancy under the charge of a forest Ranger named Doulat Ram whose services have been lent by the Durbar and who will receive his pay from the Thikana,

(2.) to observe in his forests all the rules and regulations passed by the Durbar,

(3.) to give every facility to the Raj Forest Superintendent to inspect his forests at intervals and to carry out the suggestions made by him,

(4.) that if at any time it be known that he is not enforcing the forest regulations or that the forests are receiving material injuries through any act or omission on his part or his servants the forest will at once be taken by the Raj on condition that 15 annas of net income will go to him and one anna in a rupee would be received by the Durbar for its trouble in improving the state of his forests,

(5.) to cut wood where directed and as directed by the Forest Superintendent.

(6.) to submit annual reports as to the working of his forests regularly. These reports are to be in addition to the inspection reports which the Raj forest Superintendent will submit.

(Sd.) THAKUR HARI SINGH
OF RAIPUR.